BRUHATH BANGALORE MAHANAGARA PALIKE

ne of work: Improvements of roads and drains in cross roads of Nethajinagara in ward no. 07-tarayanapura, Kodigehalli Sub Division.

Description of work	No.	Dimensions			Qty	Rate	Unit	Amount
		L	B	D				
2	3	4	5	6	7	8	9	10
KSRB 2-2.2:Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **ORDINARY soil** not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and direction of the Engineer-in-charge. Specification. No.KBS 2.1(b)/2.3.5. (P-5, It. No.2.1)								
Basic rate		77.00						
Add A.W. 8%		6.16						
Total		83.16						
RCC DRAIN								
1st main road	2	208.00	0.90	0.90	336.96			
RHS Cross Roads								
1 st cross road	2	60.00	0.65	0.65	50.70			
2nd cross road	2	60.00	0.65	0.65	50.70			
LHS Roads								
2nd cross roads	2	30.00	0.65	0.65	25.35			
3rd cross roads	2	49.00	0.65	0.65	41.41			
4th cross road	2	37.00	0.65	0.65	31.27			
				Total:-	**536.38**	83.16	Cum	44606.00
KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using **40mm** and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)								
Basic rate		4695.00						
Add A.W. 8%		375.60						
Total		5070.60						
RCC Drain bottom								
1st main road	2	208	0.9	0.10	37.44			
RHS Cross Roads								
1 st cross road	2	60	0.65	0.10	7.80			
2nd cross road	2	60	0.65	0.10	7.80			
LHS Roads								
2nd cross roads	2	30	0.65	0.10	3.90			
3rd cross roads	2	49	0.65	0.10	6.37			
4th cross road	2	37	0.65	0.10	4.81			

					68.12	5070.60	Cum	**345409.272**
KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. **Seocifications No. KBS 4.1,4.6 (Page NO. 13, Item NO. 4.11)+**								
Basic rate		5739.00						
Add A.W. 8%		459.12						
Total		6198.12						
RCC Drain bottom								
1st main road	2	208.00	0.90	0.10	37.44			
RHS Cross Roads								
1 st cross road	2	60.00	0.65	0.10	7.80			
2nd cross road	2	60.00	0.65	0.10	7.80			
LHS Roads								
2nd cross roads	2	30.00	0.65	0.10	3.90			
3rd cross roads	2	49.00	0.65	0.10	6.37			
4th cross road	2	37.00	0.65	0.10	4.81			
RCC Drain Side wall								
1st main road	4	208.00	0.6	0.10	49.92			
RHS Cross Roads								
1 st cross road	4	60.00	0.45	0.10	10.80			
2nd cross road	4	60.00	0.45	0.10	10.80			
LHS Roads								
2nd cross roads	4	30.00	0.45	0.10	5.40			
3rd cross roads	4	49.00	0.45	0.10	8.82			
4th cross road	4	37.00	0.45	0.10	6.66			
					160.52	6198.12	Cum	994923.00

KSRB 4-.9-2: Providing and fabricating TMT . Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications . (Page NO 17, Itm. NO. 4.46.2)								
Basic rate		59327.91		54933.25				
Add A.W. 8%		0.00		4394.66				
Total		59327.91		59327.91				
Qty @ 60Kg/cum	drain	0.07	X	160.52	10.43			
				Total:-	**10.43**	59327.91	tonne	619016.00
KSRB 4-6.4: Providing and removing centering, shuttering strutting, propping etc., and removal of form work for **vertical surface** such as walls at any thickness including attached pilasters, buttressed, plinth and string courses cost of all materials, labour complete as per specifications (Page no.14, Item No. 4.31)								
Basic Rate		**284.00**						
Area Weightage 8%		22.72						
total		**306.72**						
RCC DRAIN SIDE WALL								
1st main road	4	208.00		0.60	499.20			
RHS Cross Roads								
1 st cross road	4	60.00		0.45	108.00			
2nd cross road	4	60.00		0.45	108.00			
LHS Roads								
2nd cross roads	4	30.00		0.45	54.00			
3rd cross roads	4	49.00		0.45	88.20			
4th cross road	4	37.00		0.45	66.60			
					924.00	306.72	Sqm	283409.28
Providing and fixing 10cms thick pre cast **RCC covering slab** using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications **(Data Rate Approved)**								
Data Rate		**1836.00**						
only required qty	1	82.00		0.9	73.80			
				Total	**73.80**	1836.00	Sqm	135497.00

SR 3 M100-1 Loading and unloading of stone boulder/stone ggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing ipper at loading point loading with front end loading, dumping urning for return trip, excluding time for haulage and return trip omplete as per specification MORTH Chapter 1 (Page 118, item lo. 17.1)								
Qty vide item no.1					530.00	94.82	Cum	50255.00
Basic rate	=	62.20						
Conveying charges for 10Kms								
Rs. 2.00 Tonne Km.								
Average Weight of earth 1.28 Tonne/Km.								
For 10 Km								
Rs.2.00X1.28TonneX10Km	=	25.60						
Total	=	87.80						
Add Area Weightage 8%	=	7.02						
		94.82						
Sub total								2473115.55
Add 1% third party inspection charges								24731.16
Miscellaneous and rounding off								2153.29
						Total:-		2500000.00

Certificate:-

1)This is certified that the work spot comes under BBMP limits only.

2)The rates are as per CSR of 2015-16 year of PWD Bangalore Circle.

3)The Provisions made in estimate are adequate and necessary.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Executive Engineer
Byatrayanapura Division
B.B.M.P.
15/12

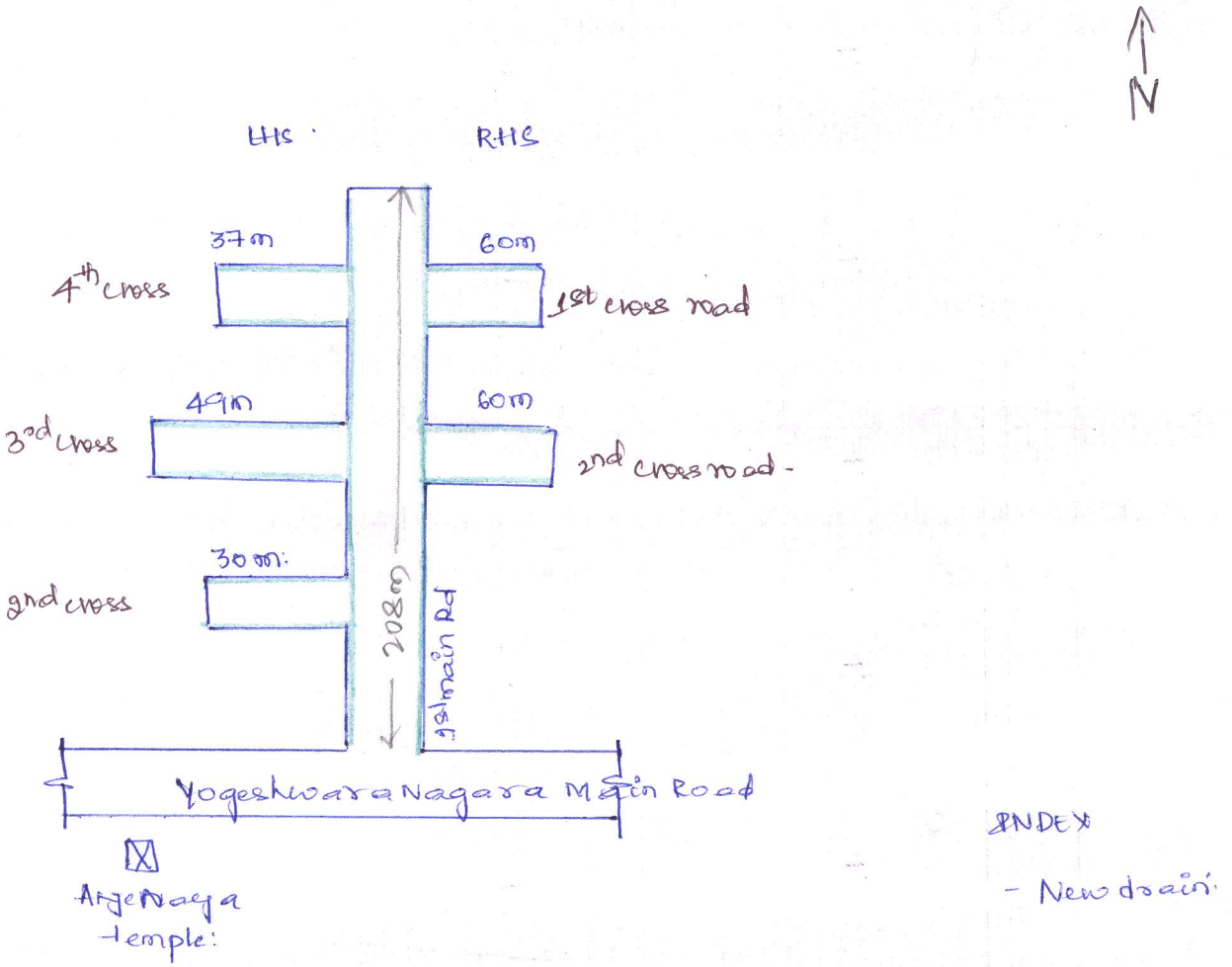
Technical Sanction
Accorded For 25.00 lakh Rs
Head of A/C P-1771
CER NO :74 Dt:28/12/16

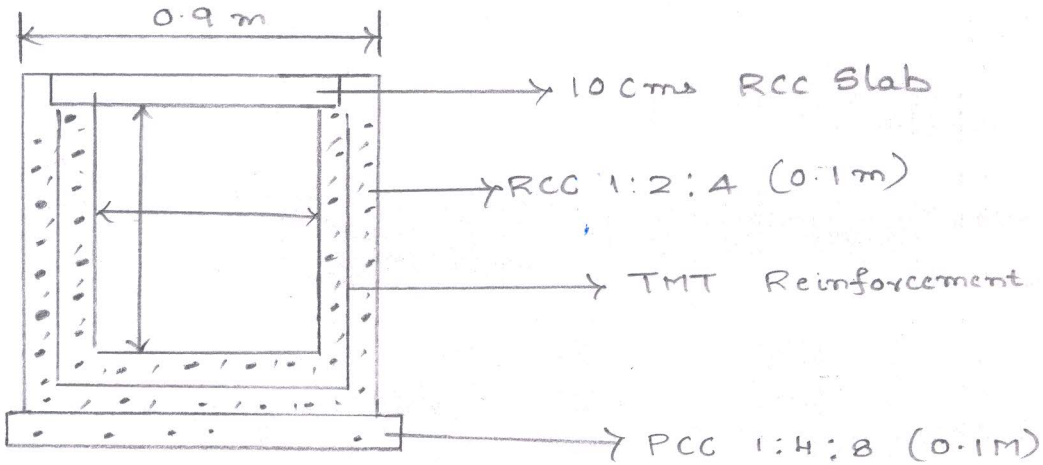
TA CE (YNK)

Administrative Approval
Accorded For 25.00 lakh Rs
Head of A/C P-1771
CER NO :55 Dt:28/12/16

TA CE (YNK)

me of work: Constructions of drains and roads in Cross roads of Nethajinagara in ward no.07, atarayanapura





Cross Section.

M.N.D
AE(W4)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara
Bangalore-560 05